

## SUBJECT INDEX

*b* = Book Review; *c* = Correspondence; *e* = Editorial; *r* = Report

- Accident prevention *See*: Occupational Safety
- Agriculture
  - crop sprayers 715-716<sup>b</sup>
  - pesticide exposure 499-507, 509-523
  - vibration exposure, tractor drivers 45-55
- Air conditioning systems 241-242<sup>b</sup>
- Air filtration, of radon daughters 481-495
- Air sampling
  - ceramic fibres 623-629
  - cotton dust 271-285
  - dusts in mines, history 5-14
  - nitrogen oxides 307-314
  - organic vapours 65-88
- Air sampling instruments
  - detector tubes 307-314
  - direct-reading methods 307-314
  - IOM sampler 271-285
  - laboratory cf. field data 307-314
  - liquid sorbent method 307-314
  - optical particle counters 377-394
  - size-selective 251(*corr.*)
  - solid sorbent tube 65-88, 307-314
  - static cf. personal sampling 623-629
- Airflow, around exhaust openings 451-467
- Alachlor, biological monitoring 535-536
- Alpha-cypermethrin, toxicity 444-445<sup>b</sup>
- Alveolar clearance
  - hydrodynamical mechanism 347-365
  - mathematical model 347-365
- Amosite, collection efficiency of respirators 135-150
- Analysis, polycyclic aromatic hydrocarbons 327-334
- Animal inhalation studies
  - pathogenicity of fibres 227-236
  - suitability of species used 211-226
- Asbestos
  - amosite 135-150
  - collection efficiency of respirators 135-150
  - DNA damage 315-319
  - exposure, in a steam-electric power station 645-653
  - fibre counting 107-109<sup>b</sup>
- Benzene, in laser cutting fumes 665-672
- Beryllium, toxicity 113<sup>b</sup>
- Beta-naphthylamine exposure, bladder cancer 181-189
- Biological monitoring
  - in exposure assessment 579-581
  - in immunotoxicology 239-240<sup>b</sup>
  - for pesticide exposure 513-514, 525-540
- Bladder cancer
  - epidemiology 181-189
  - in rubber industry 181-189
- British Examining Board in Occupational Hygiene (BEBOH), Chairman's review 435-440
- British Occupational Hygiene Society (BOHS)
  - 1992 Conference 45-55, 321-325
  - 1993 Conference 287-295, 615-622, 707-710
  - history 711-714<sup>b</sup>
  - President 1992-1993: P.J. OLDERSHAW 1-3
  - President 1993-1994: G.M. DAVIES 587-589
- Bronchial reactivity, in cotton workers 57-63
- Cadmium
  - exposure, occupational and environmental 655-663
  - toxicity 341<sup>b</sup>
- Cancer
  - bladder 181-189
  - criteria for establishing causation 181-189
  - epidemiology 181-189
  - lung 5-14
  - in rubber industry 181-189
- Captan, biological monitoring 535
- Carbon black, PAH exposure in rubber industry 327-334
- Carbon tetrachloride, toxicity 112<sup>b</sup>
- Carcinogenicity
  - inorganic acid mists and vapours 583<sup>b</sup>
  - insecticides 105-106<sup>b</sup>
  - MMMF 395-417
  - pesticides 105-106<sup>b</sup>
- Ceramic fibres
  - airborne exposure in manufacturing and processing plants 623-629
  - personal cf. static sampling 623-629
  - properties 205-206
  - size distribution 623-629
- Chemicals
  - evaluation and control of health hazards 441-442<sup>b</sup>
  - exposure in aged population 714-715<sup>b</sup>
  - in Dutch rubber manufacturing industry 117-134

## Subject Index

- in x-ray film processing 287-295
  - safety 242-243<sup>b</sup>
  - skin exposure 687-706
  - within- and between-worker variability in exposure 253-270
- Chemiluminescence analysis, nitrogen oxides 307-314
- China, occupational exposure limit for phosphamidon 89-99
- Chloroform, toxicity 112<sup>b</sup>
- Clearance of inhaled particles
  - animal models 223
  - MMMF 409-412
- Colt Fibre Research Programme 201
- Cotton dust
  - exposure 57-63, 271-285
  - static cf. personal sampling 271-285
- Cotton mills
  - dust exposure 57-63, 271-285
  - endotoxin exposure 57-63
- Cypermethrin, biological monitoring 532-534
- Denmark
  - slag wool production factory 419-433
  - woodworking industry 25-34
- Deoxyribose nucleic acid (DNA), oxidative damage induced by asbestos 315-319
- Deposition of inhaled particles
  - animal models 212-223
  - MMMF 400-401
- Detector tubes, nitrogen oxides 307-314
- Dissolution of inhaled particles
  - fibres 223-224
  - MMMF 409
- Drivers, vibration exposure 45-55
- Drug abuse *See*: Substance abuse
- Dust
  - exposure, Danish woodworking industry 25-34
  - loading in stack emissions, German test method 718
  - measurement in mines, history 5-14
  - suppression in mines, history 5-14
- Dust-free chemicals, use in rubber manufacturing industry 117-134
- Education
  - in occupational hygiene in the UK 246-247<sup>b</sup>, 321-325
  - in occupational hygiene in the USA 707-710
- Electrostatic deposition, of airborne radon daughters 481-495
- Endotoxin exposure, in cotton mills 57-63
- Endrin, toxicity 444-445<sup>b</sup>
- Environmental health criteria
  - alpha-cypermethrin 444-445<sup>b</sup>
  - cadmium 341<sup>b</sup>
  - chemical effects on aged population 714-715<sup>b</sup>
  - endrin 444-445<sup>b</sup>
  - trichloroethane 343<sup>b</sup>
- Environmental tobacco smoke, and mortality 443-444<sup>b</sup>
- Epidemiology
  - bladder cancer in rubber industry 181-189
  - criteria for establishing carcinogenicity 181-189
  - mortality cf. morbidity data in cancer studies 181-189
- Ergonomics
  - evaluation of crop sprayers 715-716<sup>b</sup>
  - woodworking industry 615-622
- European Year of Safety, Hygiene and Health Protection at Work 1992 719
- Ferruginous body counts, in steam-electric power station workers 645-653
- Fibreglass, properties 204
- Fibres
  - pathogenicity, animal models 227-236
  - respirable 211-226, 227-236
  - review of properties 203-210
- Filters
  - performance in respirators 135-150
- Fluazifop-butyl, biological monitoring 532
- Fork-lift trucks, vibration exposure 45-55
- Formaldehyde exposure, in Danish woodworking industry 25-34
- Furniture industry *See*: Woodworking industry
- Gas chromatography, analysis of PAH 327-334
- Germany, test method for dust loading in stack emissions 718
- Glass wool, properties 204-205
- Health and Safety Commission (HSC), annual report 339-340<sup>b</sup>
- Health and Safety Executive (HSE), National Exposure Database 101-103<sup>c</sup>
- Hearing protection devices (HPDs), noise attenuation 607-614
- Hydroperoxides, and asbestos damage to DNA 315-319
- Immune system, toxicology 239-240<sup>b</sup>
- Indoor air pollution 106-107<sup>b</sup>
- In-facepiece sampling 151-166
- Infra-red radiation, from quartz linear lamps 191-200
- Inorganic acids, carcinogenicity 583<sup>b</sup>
- Insecticides, carcinogenicity 105-106<sup>b</sup>
- Inspirable dust spectrometer 251(*corr.*)
- Insulation installation, airborne MMMF concentration 631-644
- International Congress on Occupational Health (ICOH), Occupational Hygiene Committee 579-581
- IOM personal inhalable dust sampler 271-285

## Subject Index

- Laser cutting, plastics, fumes 665-672
- Lasers, radiation safety 244<sup>b</sup>
- Lead
  - occupational and environmental exposure 655-663
  - past exposure in slag wool production 419-433
- Legionellosis, prevention and control 343-344<sup>b</sup>
- Legionnaires' disease, prevention and control 343-344<sup>b</sup>
- Legislation, South Africa 237-238<sup>c</sup>
- Lifting
  - guidance 584-585<sup>b</sup>
  - mechanical loads in woodworking industry 615-622
  - screening method 584-585<sup>b</sup>
- Local exhaust ventilation (LEV)
  - calculation of airflow fields 451-467
  - capture efficiency 15-24, 593-605
  - effectiveness in rubber industry 117-134
  - jet-enhanced 15-24
- Lung cancer, Harting and Hesse description 5-14
- Lung surfactant system, in alveolar clearance 347-365
- Man-made mineral fibres (MMMF)
  - airborne concentration during insulation installation 631-644
  - influence of dimensions on potential carcinogenicity 395-417
  - SEM measurement 469-479
  - size distribution 469-479
- Manual handling
  - guidance 584-585<sup>b</sup>
  - screening method 584-585<sup>b</sup>
  - in woodworking industry 615-622
- Mass spectrometry, analysis of PAH 327-334
- Mercury, pilot occupational exposure survey 101-103<sup>c</sup>
- Metal arc welding, control of fumes at source 297-306
- Minerals, properties 206-207
- Molinate, biological monitoring 533-535
- National Exposure Database (NEBD) 101-103<sup>c</sup>
- National Vocational Qualifications (NVQs), in occupational hygiene 335-336<sup>c</sup>, 337-338<sup>c</sup>
- Netherlands, rubber manufacturing industry 117-134
- New Zealand, use and non-use of respirators 367-375
- Nickel, health effects 342<sup>b</sup>
- Nitrogen oxides, sampling methods 307-314
- Noise attenuation, with HPDs 607-614
- Noise exposure, in Danish woodworking industry 25-34
- Non-occupational exposure
  - cadmium 655-663
  - lead 655-663
  - zinc protoporphyrin 655-663
- Occupational exposure
  - biological monitoring 579-581
  - cotton dust 57-63
  - database 253-270
  - endotoxin 57-63
  - MMMF 395-417
  - pesticides 499-507<sup>r</sup>, 509-523, 525-540, 541-564, 565-578
  - sampling strategies 447-450<sup>e</sup>
  - skin absorption 673-685
  - within- and between-worker variability 253-270
- Occupational exposure limits
  - cotton dust 271-285
  - phosphamidon, China 89-99
  - for skin exposures 702
  - use of surveys 89-99, 101-103<sup>c</sup>
- Occupational health
  - in the civil service 245-246<sup>b</sup>
  - hazards in x-ray film processing 287-295
- Occupational health and safety, legislation in South Africa 237-238<sup>c</sup>
- Occupational Health and Safety Lead Body (OSHLB) 337-338<sup>c</sup>
- Occupational hygiene
  - biological monitoring 579-581
  - in the civil service 245-246<sup>b</sup>
  - education in the UK 246-247<sup>b</sup>, 321-325
  - education in the USA 707-710
  - training in the UK 246-247<sup>b</sup>, 321-325, 335-336<sup>c</sup>, 337-338<sup>c</sup>
  - training in the USA 707-710
- Occupational safety
  - chemicals 242-243<sup>b</sup>
  - lasers 244<sup>b</sup>
  - quartz linear lamps 191-200
  - weaving machinery 244-245<sup>b</sup>
- Occupations, classification 240-241<sup>b</sup>
- Optical hazards, quartz linear lamps 191-200
- Optical particle counters
  - calibration 377-394
  - refractive index effect 377-394
- Organic vapours
  - exposure in Danish woodworking industry 25-34
  - solid sorbent sampling 65-88
- Particulates
  - exposure in printing industry 35-44
  - in laser cutting fumes 665-672
- Permit-to-work systems, in petroleum industry 111-112<sup>b</sup>
- Peroxides, and asbestos damage to DNA 315-319
- Personal protective equipment (PPE)
  - use in rubber industry 117-134
  - See also Hearing protection devices; Respirators



## Subject Index

### Pesticides

- biological monitoring 513-514, 525-540
- carcinogenicity 105-106<sup>b</sup>
- exposure measurement methods 509-523
- phosphamidon, occupational exposure limit in China 89-99
- predictive exposure modelling 541-564
- risk assessment 565-578

### Petroleum industry, permit-to-work systems 111-112<sup>b</sup>

### Phosphamidon, occupational exposure limit in China 89-99

### Photographic film processing, x-rays 287-295

### Plastics

- hot gas welding 665-672
- laser cutting 665-672

### Pneumoconiosis Field Research (PFR), conversion of sampling data 591-592<sup>e</sup>

### Polycyclic aromatic hydrocarbons (PAHs) exposure in printing industry 35-44 exposure in rubber tube manufacturing 327-334

- GC-MS analysis 327-334
- in laser cutting fumes 665-672
- past exposure level 419-433

### Posture, in wood working industry 615-622

### Printing industry

- PAH exposure 35-44
- particulate exposure 35-44

### Quartz linear lamps (QLL), visual safety 191-200

### Quartz standards, Sikron F600 cf. SRM 1878 for bulk and on-filter analysis 167-179

### Radiation

- infra-red 191-200
- safety of lasers 244<sup>b</sup>

### Radiographers, health hazards 287-295

### Radionuclides, accidental contamination 344-345<sup>b</sup>

### Radon daughters, reduction by air cleaner 481-495

### Rat, pathogenicity of fibres 227-236

### Regular Interlaboratory Counting Exchanges (RICE) scheme 107-109<sup>b</sup>

### Respirators

- collection efficiency 135-150
- in-facepiece sampling methods 151-166
- modelling filter performance 135-150
- New Zealand survey on use and non-use 367-375

### Risk assessment, pesticides 565-578

### Risk Assessment for Worker Exposure to Agricultural Pesticides, workshop 497, 499-507<sup>f</sup>

### Rock wool, properties 204-205

### Rubber industry

- bladder cancer 181-189
- control of chemical exposures 117-134
- PAH exposure 327-334

### Sampling strategies

- conversion of data 591-592<sup>e</sup>
- in exposure assessment 447-450<sup>e</sup>
- for skin exposure 510-512, 699-702

### Scanning electron microscopy (SEM), MMMF size distribution 469-479

### Scottish Vocational Qualifications

- (SVQs), in occupational hygiene 357-338<sup>c</sup>

### Sick building syndrome (SBS), review 110<sup>b</sup>

### Sikron F600 quartz standard, cf. SRM 1878 quartz standard 167-179

### Silica, collection efficiency of respirators 135-150

### Skin

- exposure 673-685
- sampling strategies 510-512, 687-706

### Slag wool production factory, past exposure to air pollutants 419-433

### Solid sorbent sampling

- breakthrough volumes 65-88
- nitrogen oxides 307-314
- organic vapours 65-88

### Solvent vapours, exposure in Danish woodworking industry 25-34

### South Africa, occupational health and safety legislation 237-238<sup>c</sup>

### Spain, occupational and environmental air pollution 655-663

### Spectrometers, personal inspirable dust 251(*corr.*)

### SRM 1878 quartz standard, cf. Sikron F600 quartz standard 167-179

### Steam-electric power station, asbestos exposure 645-653

### Substance abuse, workplace management 111<sup>b</sup>

### Toxicity review

- beryllium and its compounds 113<sup>b</sup>
- carbon tetrachloride 112<sup>b</sup>
- chloroform 112<sup>b</sup>
- triglycidyl isocyanurate 113<sup>b</sup>

### Training

- BEBOH 435-440
- in occupational hygiene in the UK 246-247<sup>b</sup>, 321-325, 335-336<sup>c</sup>, 337-338<sup>c</sup>
- in occupational hygiene in the USA 707-710

### Trichloroethane, toxicity 343<sup>b</sup>

### Triglycidyl isocyanurate, toxicity 113<sup>b</sup>

### Turbulent air mixing, reduction of radon daughters 481-495

### Ultra-violet radiation, health effects 716-717<sup>b</sup>

### Vehicle seat suspension, transmission of vibration 45-55

### Ventilation, in mines, history 5-14

### Vibration exposure, in drivers 45-55

## Subject Index

Weaving machines, safety 244-245<sup>b</sup>

Welding fumes

hot gas 665-672

metal arc 297-306

Women, factory inspectors 442-443<sup>b</sup>

Wood dust, exposure 25-34

Woodworking industry

air pollution 25-34

ergonomics 615-622

noise exposure 25-34

X-ray film processing

control of chemical exposures 287-295

health hazards 287-295

Xylene, pilot occupational exposure

survey 101-103<sup>c</sup>

Zinc, past exposure in slag wool

production 419-433

Zinc protoporphyrin exposure,

occupational and environmental 655-663



# AUTHOR INDEX

*b* = Book Review; *c* = Correspondence; *e* = Editorial; *r* = Report

- Adoración P.B. 655  
 Ali, S. 315  
 Alicia, H.M. 655  
 Armitage, F. 271  
 Athar, M. 315  
 Aurelio, L.-M. 655
- Bartlett, I.W. 271  
 Bartolucci, G.B. 327  
 Beaumont, P.L. 101<sup>c</sup>  
 Bergstrom, R. 57  
 Bigu, J. 481  
 Botta, G.C. 645  
 Bozek, P.R. 35  
 Breum, N.O. 593  
 Brosseau, L.M. 135  
 Brouwer, D.H. 499<sup>r</sup>  
 Burdorf, A. 45, 447<sup>e</sup>, 584<sup>b</sup>, 615, 715<sup>b</sup>
- Calvert, I.A. 240<sup>b</sup>  
 Carr, D.H. 367  
 Charman, W.N. 191  
 Cheng, Y.-J. 89  
 Chester, G. 509  
 Christensen, V. 631
- Davis, J.M.G. 227  
 Denison, D. 201  
 Donaldson, K. 227  
 Doretti, L. 327  
 Drown, D. 117
- Ellenbecker, M.J. 135  
 Ellwood, P.A. 665  
 Elmes, P.C. 443<sup>b</sup>  
 Enrique, G.C. 655  
 Evans, J.S. 135
- Fallentin, B. 419  
 Fenske, R.A. 687  
 Fiserova-Bergerova, V. 673  
 Fletcher, B. 15  
 Fujino, A. 623  
 Fulgencio, G.G. 655
- Gardiner, K. 240<sup>b</sup>  
 Gibson, H. 251(*corr.*)  
 Gill, F.S. 106<sup>b</sup>, 241<sup>b</sup>, 435  
 Gori, G. 327  
 Gradoñ, L. 347  
 Graham, P.J. 337<sup>c</sup>  
 Greenberg, M. 5
- Harper, M. 65  
 Henderson, P.Th. 499<sup>r</sup>  
 Hewitt, P.J. 287, 297, 321, 579  
 Higashi, T. 623
- Hirst, A.A. 297  
 Hodges, D. 111<sup>b</sup>  
 Hodgson, A.A. 203  
 Hori, H. 623  
 Hornung, R.W. 151  
 Hughes, D. 244<sup>b</sup>, 344<sup>b</sup>  
 Husemoen, T. 631
- Illing, P. 239<sup>b</sup>, 441<sup>b</sup>  
 Ishimatsu, S. 623
- Jeyaratnam, M. 167  
 Johnston, J.R. 237<sup>c</sup>  
 Jones, A.D. 211
- Kalliokoski, P. 307  
 Kamstrup, O. 419, 631  
 Kauffer, E. 469  
 Khan, S.G. 315  
 King, E. 242<sup>b</sup>, 244<sup>b</sup>, 339<sup>b</sup>  
 Kortsha, G.X. 707  
 Krieger, R.I. 565  
 Kromhout, H. 117, 253  
 Kulmala, I. 451
- Laird, I.S. 367  
 Laitinen, J. 307  
 Laursen, B. 25  
 Letowski, T. 607  
 Levy, L.S. 89  
 Liebhaber, F. 377  
 Liesivuori, J. 307  
 Linnainmaa, M. 307  
 Lunau, F.W. 110<sup>b</sup>, 343<sup>b</sup>
- McCallum, R.I. 245<sup>bb</sup>  
 McGee, L. 607  
 McIntyre, D.A. 191  
 Mackie, R.M. 716<sup>b</sup>  
 Madsen, U. 593  
 Mahmood, N. 315  
 Mark, D. 251(*corr.*)  
 Money, C.D. 246<sup>b</sup>  
 Muir, D.C.F. 591<sup>e</sup>  
 Mulder, I. 237<sup>c</sup>  
 Munns, D.D.B.H. 718  
 Murray, I.J. 191  
 Myers, W.R. 151
- Nagar, N. 167  
 Newhouse, M. 442<sup>b</sup>  
 Nielsen, P.V. 593
- Ogden, T.L. 271  
 Olsen, E. 631  
 Opdam, J.J.G. 499<sup>r</sup>  
 Oyabu, T. 623
- Pack, R.J. 367  
 Parvoli, G. 327  
 Pilar, D.L. 655  
 Piolatto, G. 645  
 Pira, E. 645  
 Podgórski, A. 347  
 Purdham, J.T. 35  
 Purnell, C.J. 271
- Rahman, Q. 315  
 Rappaport, S.M. 253  
 Rickards, A.L. 107<sup>b</sup>  
 Roe, F.J.C. 105<sup>b</sup>, 112<sup>b</sup>, 113<sup>b</sup>, 341<sup>b</sup>, 342<sup>b</sup>, 343<sup>b</sup>, 444<sup>b</sup>, 583<sup>b</sup>, 714<sup>b</sup>  
 Rosenthal, F.S. 395  
 Ross, J.H. 565  
 Rylander, R. 57
- Sanderson J.T. 579  
 Sass-Kortsak, A. 35  
 Saunders, C.J. 15  
 Scansetti, G. 645  
 Schneider, T. 469, 631  
 Selikoff, I.J. 5  
 Sherwood, R.J. 711<sup>b</sup>  
 Shu, J.-H. 89  
 Sims, J. 665  
 Stevenson, H. 499<sup>r</sup>  
 Stouten, J.Th.J. 499<sup>r</sup>  
 Sturaro, A. 327  
 Swuste, P. 45, 117  
 Symanski, E. 253
- Tanaka, I. 623  
 Taylor, H.J. 665  
 Turbiglio, M. 645
- van Duuren, L. 615  
 Van Hemmen, J.J. 541  
 Veys, C.A. 181, 719  
 Vigneron, J.C. 469  
 Vincent, J.H. 251(*corr.*)  
 Vinzents, P. 25  
 Wells, C.J. 271  
 Whitford, E.J. 111<sup>b</sup>  
 Willeke, K. 377  
 Wolfson, H. 271  
 Woollen, B.H. 525  
 Wright, D.S. 335<sup>c</sup>
- Yamato, H. 623  
 Yang, S.-X. 89
- Zhuang, J.-G. 89

